

NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEWThe drawing(s) filed (invent date) 05/12/99 are:

A. approved by the Draftsperson under 37 CFR 1.64 or 1.152.
 B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

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| 1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink. Color. Color drawings are not acceptable until patent is granted. Fig(s) _____ | | 8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i): Words do not appear on a horizontal, left-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____ | |
| 2. PHOTOGRAPHS. 37 CFR 1.84(b): 1 full tone set is required. Fig(s) _____ Photographs not properly mounted (must use bryistol board or photographic double-weight paper). Fig(s) _____ Poor quality (half-tone). Fig(s) _____ | | 9. SCALE. 37 CFR 1.84(k): Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____ | |
| 3. TYPE OF PAPER. 37 CFR 1.84(e): Paper not flexible, strong, white, and durable. Fig(s) _____ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____ Mylar, vellum paper is not acceptable (too thin). Fig(s) _____ | | 10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(i): Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) _____ | |
| 4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: 21.0 cm by 29.7 cm (DIN size A4). 21.6 cm by 27.9 cm (8 1/2 x 11 inches). All drawing sheets not the same size. Sheet(s) _____ Drawings sheets not an acceptable size. Fig(s) _____ | | 11. SHADING. 37 CFR 1.84(m): Solid black areas pale. Fig(s) _____ Solid black shading not permitted. Fig(s) _____ Shade lines pale, rough and blurred. Fig(s) _____ | |
| 5. MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm. Left 2.5 cm. Right 1.5 cm. Bottom 1.0 cm. SIZE: A4 Size Top 2.5 cm. Left 2.5 cm. Right 1.5 cm. Bottom 1.0 cm. SIZE: 8 1/2 x 11. Margins not acceptable. Fig(s) _____ Top (T) _____ Left (L) _____ Right (R) _____ Bottom (B) _____ | | 12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p): Numbers and reference characters not plain and legible. Fig(s) _____ Figure legends are poor. Fig(s) _____ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(2). Fig(s) _____ Fig(s) _____ English alphabet not used. 37 CFR 1.84(p)(2). Fig(s) _____ Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s) _____ | |
| 6. VIEWS. 37 CFR 1.84(h): REMINDER: Specification may require revision to correspond to drawing changes. Partial views. 37 CFR 1.84(h)(2): Brackets needed to show figure as one entity. Fig(s) _____ Views not labeled separately or properly. Fig(s) _____ Enlarged view not labeled separately or properly. Fig(s) _____ | | 13. LEAD LINES. 37 CFR 1.84(q): Lead lines cross each other. Fig(s) _____ Lead lines missing. Fig(s) _____ | |
| 7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3): Hatching not indicated for sectional portions of an object. Fig(s) _____ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____ | | 14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.64(i): Sheets not numbered consecutively, and in Arabic numerals, beginning with number 1. Sheet(s) _____ | |
| 15. NUMBERING OF VIEWS. 37 CFR 1.84(u): Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____ | | 16. CORRECTIONS. 37 CFR 1.84(w): Corrections not made from prior PTO-948 dated _____ | |
| 17. DESIGN DRAWINGS. 37 CFR 1.152: Surface shading shown not appropriate. Fig(s) _____ Solid black shading not used for color contrast. Fig(s) _____ | | | |
| COMMENTS _____ | | | |

REVIEWER LAMDATE 07/01/99

TELEPHONE NO. _____

ATTACHMENT TO PAPER NO. _____

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities--37 CFR 1.85

File new drawings with the changes incorporated therein. The application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application, should be placed on the back of each sheet of drawings in accordance with 37 CFR 1.84(c). Applicant may delay filing of the new drawings until receipt of the Notice of Allowability (PTOL-37). Extensions of time may be obtained under the provisions of 37 CFR 1.136. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Processing Branch.

2. Timing for Corrections

Applicant is required to submit acceptable corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTOL-37). If a correction is determined to be unacceptable by the Office, applicant must arrange to have acceptable corrections resubmitted within the original three-month period to avoid the necessity of obtaining an extension of time and paying the extension fee. Therefore, applicant should file corrected drawings as soon as possible.

Failure to take corrective action within set (or extended) period will result in ABANDONMENT of the Application.

3. Corrections other than Informalities Noted by the Drawing Review Branch on the Form PTO-948

All changes to the drawings, other than informalities noted by the Drawing Review Branch, MUST be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.